REMARKS

Claims 1-20 have been examined. The undersigned notes with appreciation that claims 1-9 have been allowed. Claims 10-20 have been rejected but are indicated to be directed toward allowable subject matter. Claims 10 and 20 are being amended by the present response. Claims 1-20 remain pending. Reconsideration and allowance of all pending claims are respectfully requested. A supplemental IDS is also filed herewith to submit references cited in a related application.

Claims 10-20 have been rejected as being indefinite under 35 U.S.C. 112, second paragraph. The Examiner has noted antecedent basis problems in claims 10 and 20. The amendments to these claims correct the problems noted by the Examiner, thereby overcoming the rejection. The Examiner is thanked for his attention to detail.

Conclusion

For the foregoing reasons, Applicant believes all the pending claims are in condition for allowance and should be passed to issue. If the Examiner feels that a telephone conference would in any way expedite the prosecution of the application, please do not hesitate to call the undersigned at (408) 446-8694.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE TO THE APPLICATION

In the Claims

10. (AMENDED) A system for synchronizing to a **[received]** time domain signal received via a channel, said system comprising:

a receiver system that receives one or more synchronization bursts of symbols, each of said synchronization bursts including at least two time domain synchronization sub-bursts, a first of said sub-bursts including N time domain symbols preceded by a first cyclic prefix, a second of said sub-bursts including M time domain symbols preceded by a second cyclic prefix, said first and second cyclic prefixes including a first portion having length ν wherein ν is greater than or equal to a duration of an impulse response of said channel; and further including a second portion after said first portion to facilitate receiver synchronization, wherein said receiver system receives further time domain bursts of symbols; and

a synchronization block that determines burst timing alignment responsive to optimization of a cost function determined responsive to said contents of said one or more synchronization bursts.

20. (AMENDED) In a digital communication system that communicates bursts of symbols via a channel, a method for synchronizing a receiver to burst timing of a transmitter comprising:

receiving one or more synchronization bursts of symbols, each said synchronization bursts including at least two time domain synchronization sub-bursts, a first of said sub-bursts including N time domain symbols preceded by a first cyclic prefix, a second of said sub-bursts including M time domain symbols preceded by a second cyclic prefix, said first and second cyclic prefixes including a first portion having length ν wherein ν is greater than or equal to a

duration of an impulse response of said channel; and further including a second portion after said first portion to facilitate receiver synchronization, wherein said receiver system receives further time domain bursts of symbols; and

determining burst timing alignment responsive to optimization of a cost function determined responsive to said contents of said one or more synchronization bursts.